Potentials of wind and ocean energy in Tamil Nadu

1016. SHRI S. ANBALAGAN: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government had taken steps to harness huge wind and ocean energy potential available in Tamil Nadu;

(b) if so, the details thereof and the achievement made;

(c) whether new initiative are proposed to be made by Government to harness the huge potential of wind and ocean evergies in the State during the Eleventh Five Year Plan; and

(d) if so, the details thereof including the amount allocated for the purpose and if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) The Government of India promotes settings up of commercial wind power projects in the country, including in the State of Tamil Nadu, by providing incentives such as concessional import duty for wind electricity generator sub-systems, excise duty exemption, ten years tax holiday on wind power projects, benefits of accelerated depreciation, term loan from Indian Renewable Energy Development Agency (IREDA) and identification of more potential locations by carrying out wind resource assessment studies. This apart, preferential tariff and grid evacuation facilities are provided for wind power in the State of Tamil Nadu. A wind power installed capacity of 7844 MW has been achieved upto 31.12.2007 in the country which includes 3712MW in Tamil Nadu. Production of power from Ocean Energy has not been found to be cost effective on commercial scale.

(c) and (d) A capacity addition of 10,500 MW from wind power has been planned in the country during the 11th Plan period *i.e.* 2007—2012. The State Govt. of Tamil Nadu has planned a target of 2,500 MW from wind power during the 11th Plan period. An outlay of Rs. 75 crore has been proposed during the 11th Plan to support wind resource assessment and demonstration projects in various States, R&D projects, etc. in the country.

SEZ for renewable energy systems

1017. SHRI B.K. HARIPRASAD: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to State:

(a) the status of implementation of the SEZs for the manufacture of renewable energy devices and systems to be located near Nagpur with an initial investment of $ 2.00 billion in the first phase; and

(b) whether Government has identified the Anchor-company, which would foster ancillaries in the first phase of the project?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) Indian Renewable Energy Development Agency (IREDA), a non-banking financial company under the administrative control of this Ministry, is envisaging formation of a Special Purpose Vehicle to facilitate setting up a SEZ for production of renewable energy equipment. Presently IREDA is in the process of discussing

the issue with State Governments and private sector parties. One of the possible locations under consideration is in near Nagpur, however the final decision with regard to setting up a SEZ would depend on various techno-economic conderations of investors.

Participation of private sector for production of renewable energy

†1018. SHRI DATTA MEGHE: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether Government has taken steps to promote participation of the private sector to encourage the production of renewable energy, as a source of alternative energy;

(b) if so, the details thereof;

(c) whether it is a fact that the renewable energy sector has the capactiy of generating more than 80 thousand MW power; and

(d) if so, the steps taken by Government to achieve this capacity?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) Yes, Sir. The government has been encouraging private investment in renewable energy sector through a mix of fiscal and financial incentives that include capital/interest subsidy, accelerated depreciation, nil/concessional excise and customs duties. Further, benefit under Section 80- 1A of Income Tax Act, 1961 is available to undertakings setup for the generation or generation and distribution of Renewable power in India. This apart, preferential tariff for grid interactive renewable power is being given in most potential States.

(c) A potential of 84,776 MW has been estimated from renewable energy sources such as wind, biomass, solar and small, hydro in the country as per details given in the enclosed Statement. (*See* below)

(d) The grid-interacttive power installed capacity from the renewable sources like wind, biomass, solar and small hydro in the country at the end of the 10th Plan, *i.e.* upto 31.3.2007 was 10,250 MW which has reached 11,447 MW as on 31.01.08. A capacity addition of 14,000 MW is proposed during the 11th Plan. Most of this capacity is envisaged through private investment. Steps taken to encourage the same are explained in reply to parts (a) and (b) above.

Statement

Details of estimated potential of grid-interactive renewable energy sources

Sl. No.	Sources/Systems	Estimated Potential
	Grid-interactive renewable power	
1.	Bio Power (Agro residues & Plantations)	16,881[1]
2.	Wind Power	45,195[2]
3.	Small Hydro Power (up to 25 MW)	15,000[3]
4.	Cogeneration-bagasse	5,000[4]
5.	Waste to energy (Urban & Industrial)	2,700[5]
	TOTAL: (in MW)	84,776[6]

MW=Megawatt *Total target for 1 and 4 @Total target for 5 and 9

†Original notice of the question was received in Hindi.